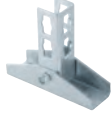
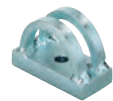
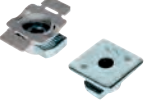




2c Channel system FUS

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2c

Channel system FUS

The universal and complete mounting channel system for a wide range of applications

2c

Channel system FUS



3D-frame constructions



Solid frame construction

APPLICATIONS

- Secure horizontal and vertical installations
- Fast and efficient fixing of pipelines and supporting structures

ADVANTAGES/BENEFITS

- The fire inspection report in line with MLAR/EN13501 guarantees independently tested functional safety.
- The basic channel geometry allows the usage of the complete extensive range of accessories.
- The stamped teeth in the channel give the sliding nuts a secure hold for high shear loads, e.g. for vertical installation.
- Different channel wall thicknesses allow economical choices for installation.
- The scale on the mounting channels simplifies the cutting and positioning of the fixtures during the installation.

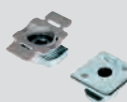
CERTIFICATES



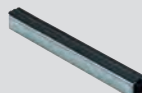
PROPERTIES

- **Material:** pre-galvanised steel S-250-GD+Z275 (material no.: 1.0242) acc. to DIN EN 10346

SEE ALSO

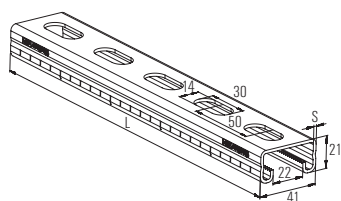


FCN Clix P/M
see page 117

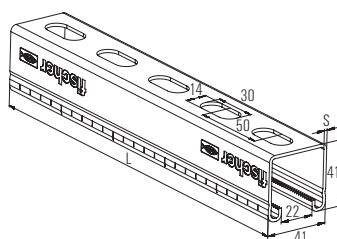


EMS
see page 168

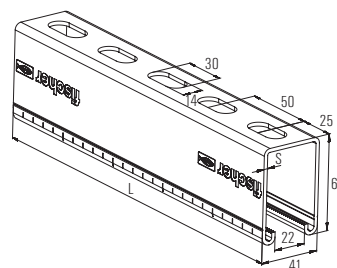
TECHNICAL DATA



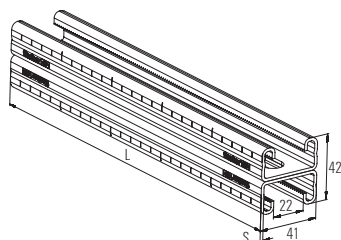
FUS 21



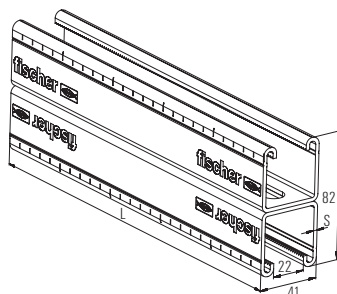
FUS 41



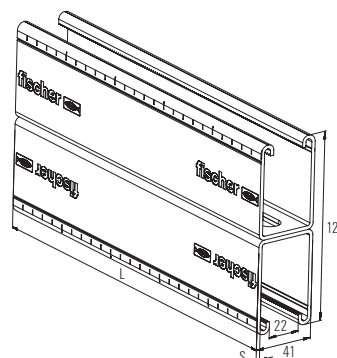
FUS 62



FUS 21D



FUS 41D



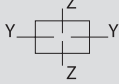
FUS 62D

Item	Art.-No.	Fire test report	Length	Thickness	Sales unit
			L [mm]	S [mm]	
FUS 21/1,5 - 2 m	545117	—	2000	1.5	1
FUS 21/1,5 - 3 m	545118	—	3000	1.5	1
FUS 21/1,5 - 6 m	545119	—	6000	1.5	1
FUS 21/2,0 - 2 m	040391	—	2000	2	1
FUS 21/2,0 - 3 m	097660	—	3000	2	1
FUS 21/2,0 - 6 m	097661	—	6000	2	1
FUS 21/2,5 - 2 m	092867	—	2000	2.5	1
FUS 21/2,5 - 3 m	077349	—	3000	2.5	1
FUS 21/2,5 - 6 m	077541	—	6000	2.5	1
FUS 41/1,5 - 2 m	545120	—	2000	1.5	1
FUS 41/1,5 - 3 m	545126	—	3000	1.5	1
FUS 41/1,5 - 6 m	545127	—	6000	1.5	1
FUS 41/2,0 - 2 m	040390	—	2000	2	1
FUS 41/2,0 - 3 m	097658	—	3000	2	1
FUS 41/2,0 - 6 m	097659	—	6000	2	1
FUS 41/2,5 - 2 m	092295	X	2000	2.5	1
FUS 41/2,5 - 3 m	077347	X	3000	2.5	1
FUS 41/2,5 - 6 m	077537	X	6000	2.5	1
FUS 62/2,5 - 6 m	504457	X	6000	2.5	1
FUS 21D/2,0 - 3 m	504458	—	3000	2	1
FUS 21D/2,0 - 6 m	535531	—	6000	2	1
FUS 41D/2,5 - 6 m	504459	—	6000	2.5	1
FUS 62D/2,5 - 6 m	504460	—	6000	2.5	1

2c

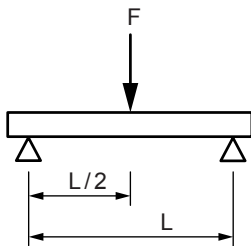
Channel system FUS

LOADS

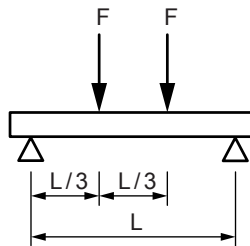
 Item	Art.-No.	Profil weight	Profile cross section	Moment of inertia	Moment of inertia	Section modulus	Section modulus	Max. recommended static load for 1m length	Max. recommended static load for 2m length	Max. recommended static load for 3m length
		[kg/m]	[cm ²]	I_y [cm ⁴]	I_z [cm ⁴]	W_y [cm ³]	W_z [cm ³]	F_{rec} [kN]	F_{rec} [kN]	F_{rec} [kN]
FUS 21/1,5 - 2 m	545117	1.20	1.35	0.8	3.69	0.75	1.80	0.41	0.10	—
FUS 21/1,5 - 3 m	545118	1.20	1.35	0.8	3.69	0.75	1.80	0.41	0.10	—
FUS 21/1,5 - 6 m	545119	1.20	1.35	0.8	3.69	0.75	1.80	0.41	0.10	—
FUS 21/2,0 - 2 m	040391	1.44	1.72	0.97	4.66	0.89	2.27	0.49	0.12	—
FUS 21/2,0 - 3 m	097660	1.44	1.72	0.97	4.66	0.89	2.27	0.49	0.12	0.05
FUS 21/2,0 - 6 m	097661	1.44	1.72	0.97	4.66	0.89	2.27	0.49	0.12	0.05
FUS 21/2,5 - 2 m	092867	1.67	1.99	1.03	5.28	0.93	2.58	0.52	0.13	—
FUS 21/2,5 - 3 m	077349	1.67	1.99	1.03	5.28	0.93	2.58	0.52	0.13	0.06
FUS 21/2,5 - 6 m	077541	1.67	1.99	1.03	5.28	0.93	2.58	0.52	0.13	0.06
FUS 41/1,5 - 2 m	545120	1.80	1.95	4.26	6.03	2.07	2.94	1.56	0.54	—
FUS 41/1,5 - 3 m	545126	1.80	1.95	4.26	6.03	2.07	2.94	1.56	0.54	0.24
FUS 41/1,5 - 6 m	545127	1.80	1.95	4.26	6.03	2.07	2.94	1.56	0.54	0.24
FUS 41/2,0 - 2 m	040390	2.06	2.52	5.33	7.69	2.58	3.75	1.94	0.67	—
FUS 41/2,0 - 3 m	097658	2.06	2.52	5.33	7.69	2.58	3.75	1.94	0.67	0.30
FUS 41/2,0 - 6 m	097659	2.06	2.52	5.33	7.69	2.58	3.75	1.94	0.67	0.30
FUS 41/2,5 - 2 m	092295	2.45	3.00	6.00	8.99	2.85	4.38	2.14	0.76	—
FUS 41/2,5 - 3 m	077347	2.45	3.00	6.00	8.99	2.85	4.38	2.14	0.76	0.34
FUS 41/2,5 - 6 m	077537	2.45	3.00	6.00	8.99	2.85	4.38	2.14	0.76	0.34
FUS 62/2,5 - 6 m	504457	3.27	4.05	17.70	12.90	5.62	6.29	4.22	2.10	0.99
FUS 21D/2,0 - 3 m	504458	2.87	3.44	5.49	9.31	2.61	4.54	1.96	0.69	0.31
FUS 21D/2,0 - 6 m	535531	2.87	3.44	5.49	9.31	2.61	4.54	1.96	0.69	0.31
FUS 41D/2,5 - 6 m	504459	4.89	6.00	35.01	17.90	8.76	8.78	6.58	3.28	1.96
FUS 62D/2,5 - 6 m	504460	6.55	8.09	111.00	25.80	17.90	12.58	13.45	6.72	4.47

Note: Loads based on load case 1

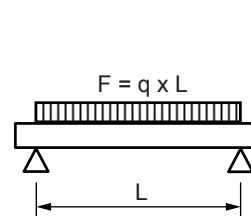
Load case 1



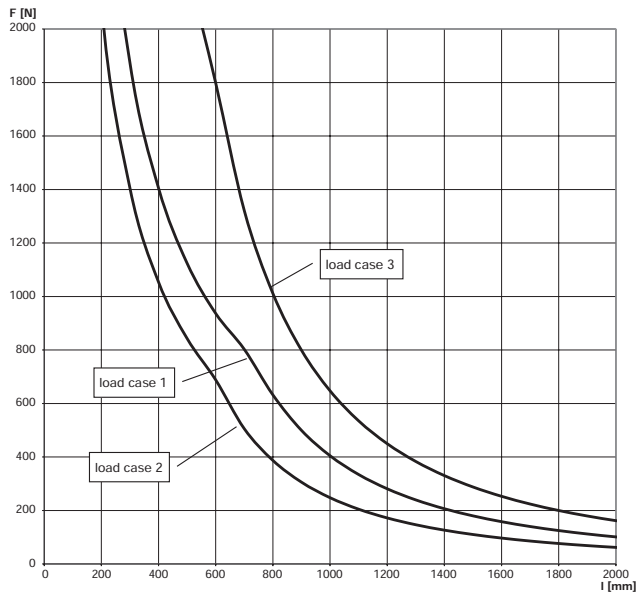
Load case 2



Load case 3

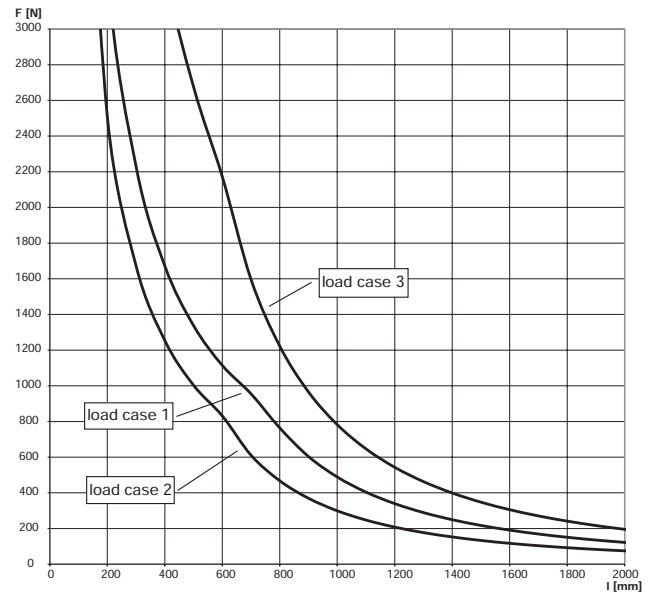


FUS 21 / 1.5

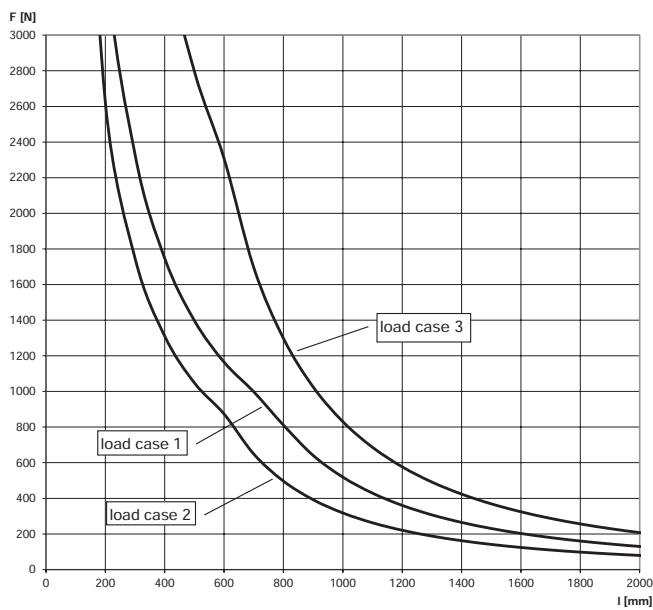


For the load curves, the permissible steel strain $\delta_{adm.} = 188$ N/mm and the maximum deflection under load $L/200$ are not exceeded. Fixings and screw fastenings must be calculated accordingly. The increased yield strength is calculated according DIN EN 1993-1-3:2010-12, sec. 3.2.2.

FUS 21 / 2.0

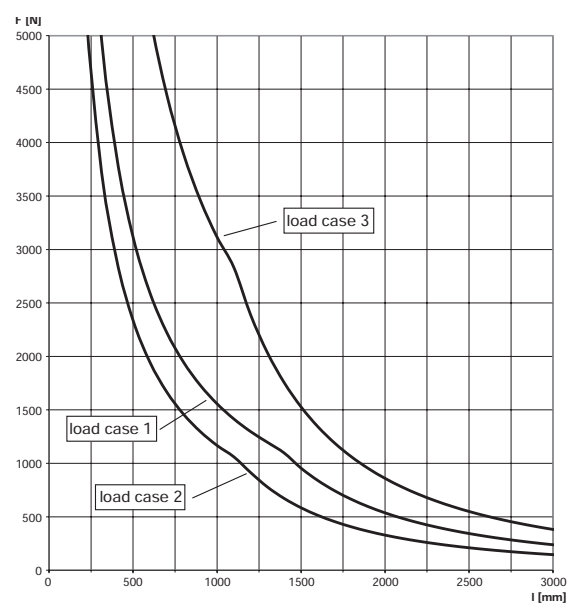


FUS 21 / 2.5



For the load curves, the permissible steel strain $\delta_{adm.} = 188$ N/mm and the maximum deflection under load $L/200$ are not exceeded. Fixings and screw fastenings must be calculated accordingly. The increased yield strength is calculated according DIN EN 1993-1-3:2010-12, sec. 3.2.2.

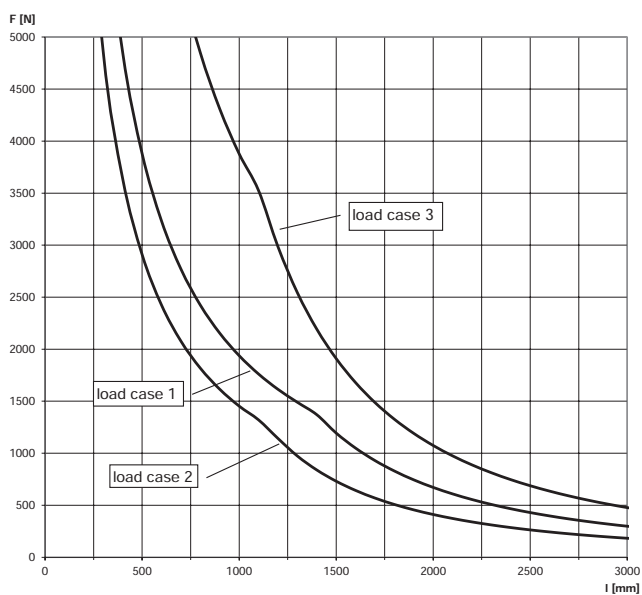
FUS 41 / 1.5



2c

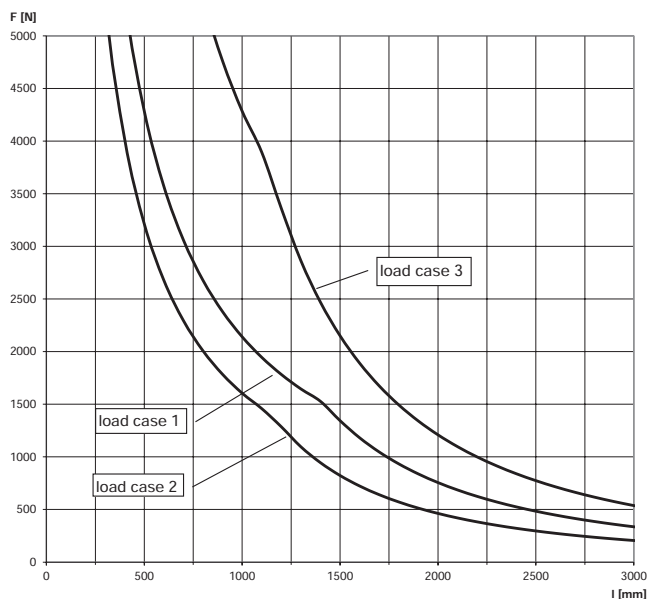
Channel system FUS

FUS 41 / 2.0

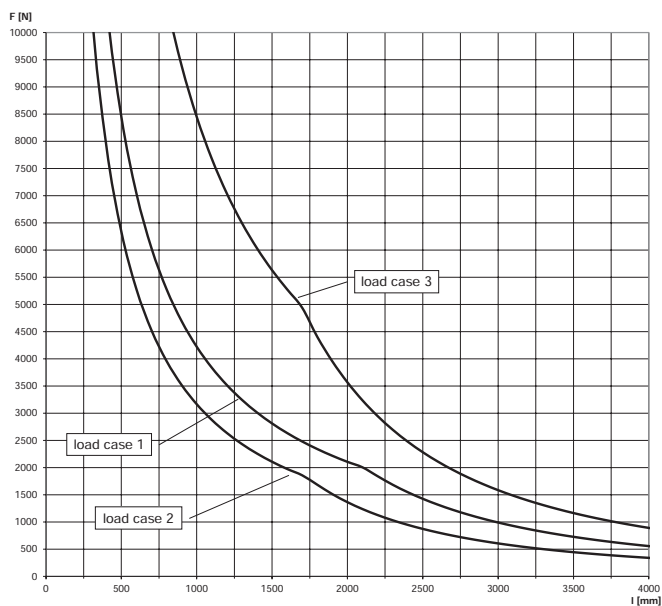


For the load curves, the permissible steel strain $\delta_{adm.} = 188$ N/mm and the maximum deflection under load $L/200$ are not exceeded. Fixings and screw fastenings must be calculated accordingly. The increased yield strength is calculated according DIN EN 1993-1-3:2010-12, sec. 3.2.2.

FUS 41 / 2.5

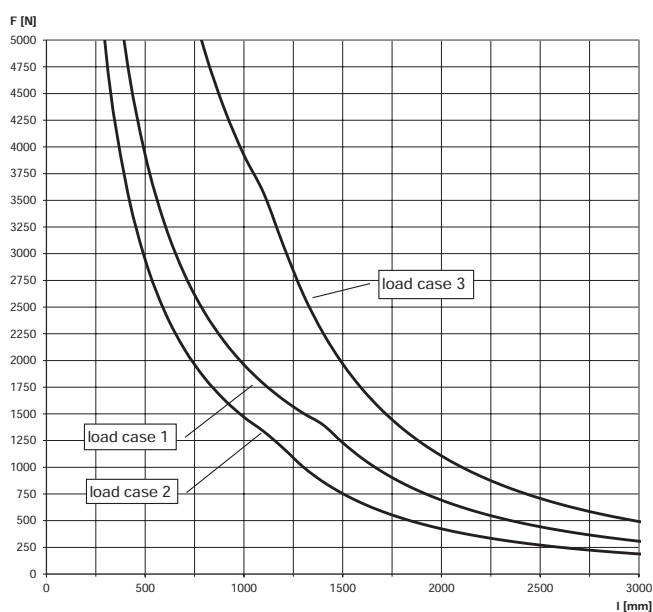


FUS 62 / 2.5

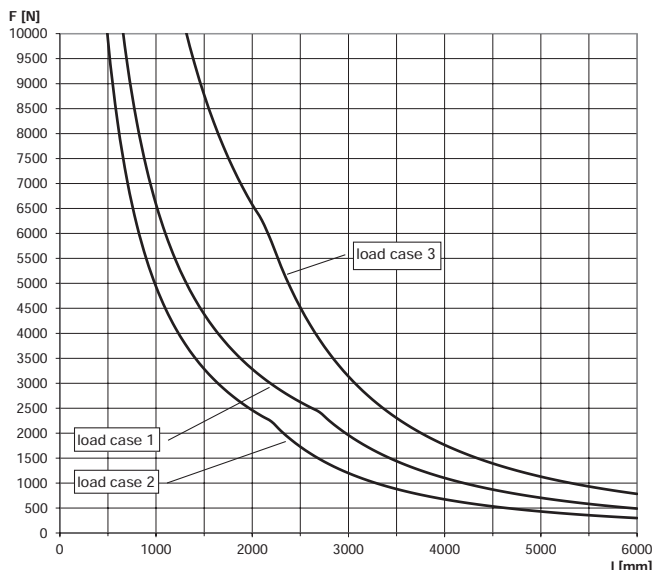


For the load curves, the permissible steel strain $\delta_{adm.} = 188$ N/mm and the maximum deflection under load $L/200$ are not exceeded. Fixings and screw fastenings must be calculated accordingly. The increased yield strength is calculated according DIN EN 1993-1-3:2010-12, sec. 3.2.2.

FUS 21D / 2.0

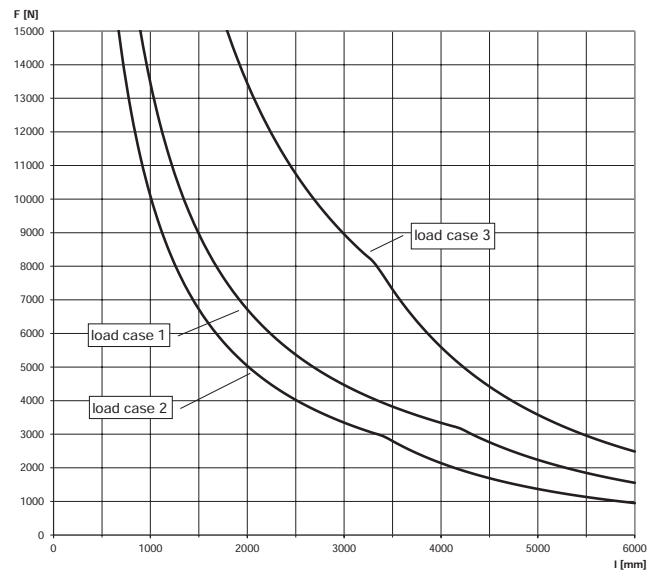


FUS 41D / 2.5



For the load curves, the permissible steel strain $\delta_{adm.} = 188 \text{ N/mm}$ and the maximum deflection under load $L/200$ are not exceeded. Fixings and screw fastenings must be calculated accordingly. The increased yield strength is calculated according DIN EN 1993-1-3:2010-12, sec. 3.2.2.

FUS 62D / 2.5



2c

Channel system FUS